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PUB-NO: JP410203964A
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TITLE: NEW PREPARATION IMPROVING ORAL BIOLOGICAL UTILIZING ABILITY OF HARDLY
ABSORBABLE MEDICINE

PUBN-DATE: August 4, 1998

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ABSTRACT:

PROBLEM TO BE SOLVED: To obtain a preparation for oral administration, easily administered, convenient, not invasive, and endurable for a patient by previously subjecting a medicine hardly absorbed from gastrointestinal tract to a specific treatment and thereafter covering the treated medicine with a enteric material.

SOLUTION: This preparation for oral administration is obtained by mixing a medicine with a liposome containing a hydrogenated lecithin and cholesterol, drying the mixed medicine by distillation dehydrating or freeze drying to provide a powder, and forming the powder into a capsule or tablet treated with an enteric coating so that the content may be released after passing the stomach. The lipid used for obtaining the liposome is preferably a mixture of the cholesterol and a hydrogenated natural lecithin having <2g/100g iodide value. The medicine is an antibiotic such as gentamicin, an antiviral agent, an antitumor agent, etc. The enteric coating is preferably an acrylic resin, a cellulose derivative, etc.

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